

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094383.D
 Acq On : 12 Apr 2017 8:52
 Operator : SJ/MA
 Sample : I2463-11RE
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB-8-9-ESWRE

Quant Time: Apr 12 11:03:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

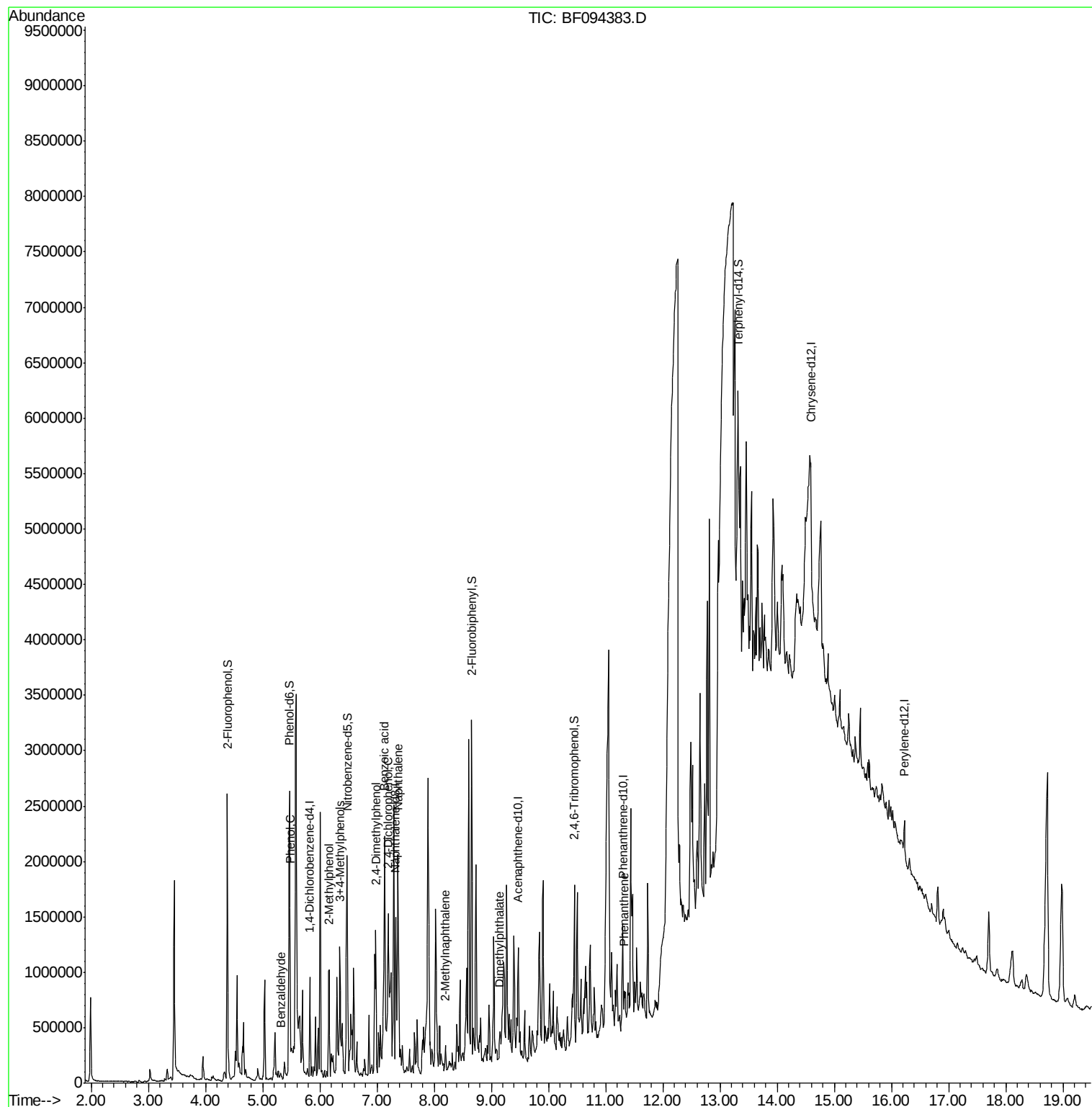
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.83	152	135308	20.00	ng	-0.03
21) Naphthalene-d8	7.33	136	488719	20.00	ng	-0.03
38) Acenaphthene-d10	9.47	164	192338	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	312289	20.00	ng	-0.02
75) Chrysene-d12	14.60	240	676713	20.00	ng	0.02
86) Perylene-d12	16.23	264	161196	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.38	112	876249	109.38	ng	0.00
7) Phenol-d6	5.47	99	1064176	107.38	ng	0.00
23) Nitrobenzene-d5	6.48	82	617779	72.14	ng	-0.03
41) 2,4,6-Tribromophenol	10.45	330	168619	110.94	ng	-0.02
44) 2-Fluorobiphenyl	8.66	172	1062743	84.28	ng	-0.03
78) Terphenyl-d14	13.31	244	544726	18.04	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	5.32	77	14277	2.13	ng	95
10) Phenol	5.48	94	49382	4.38	ng	95
17) 2-Methylphenol	6.16	107	202627	26.87	ng	95
20) 3+4-Methylphenols	6.35	107	279987	30.66	ng	# 60
27) 2,4-Dimethylphenol	6.98	122	434485	62.60	ng	94
29) 2,4-Dichlorophenol	7.19	162	99952	15.40	ng	96
31) Naphthalene	7.36	128	666771	28.37	ng	# 87
32) Benzoic acid	7.13	122	513442	111.13	ng	# 20
37) 2-Methylnaphthalene	8.20	142	57951	3.70	ng	97
49) Dimethylphthalate	9.15	163	69500	5.08	ng	99
70) Phenanthrene	11.32	178	92387	5.32	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.83 min Scan# 670

Delta R.T. -0.03 min

Lab File: BF094383.D

Acq: 12 Apr 2017 8:52

Instrument :

BNA_F

ClientSampleId :

E2-BB-8-9-ESWRE

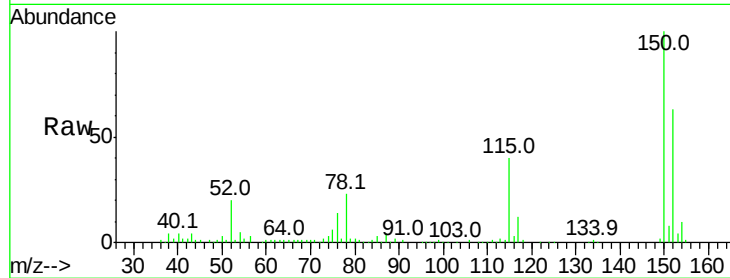
Tot Ion:152 Resp: 135308

Ion Ratio Lower Upper

152 100

150 159.9 126.2 189.2

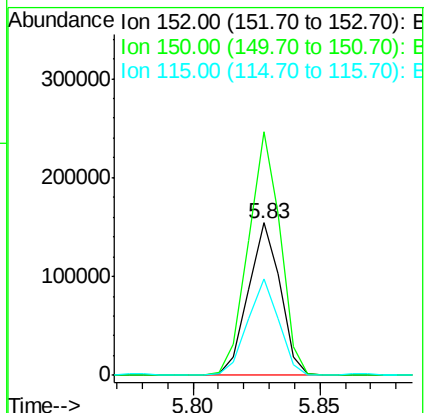
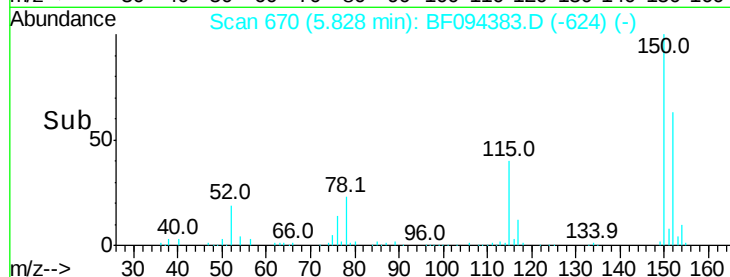
115 63.6 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 109.38 ng

RT: 4.38 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF094383.D

Acq: 12 Apr 2017 8:52

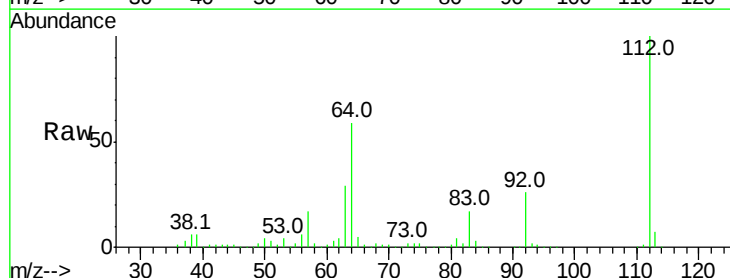
Tgt Ion:112 Resp: 876249

Ion Ratio Lower Upper

112 100

64 59.4 46.0 69.0

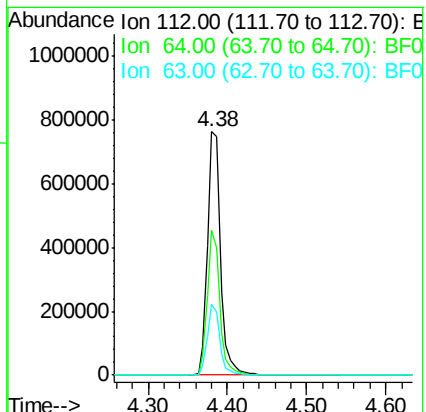
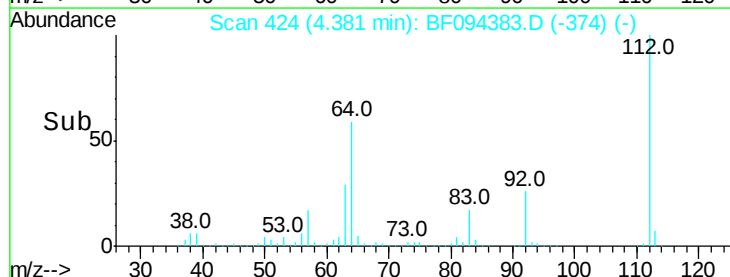
63 29.1 23.4 35.0

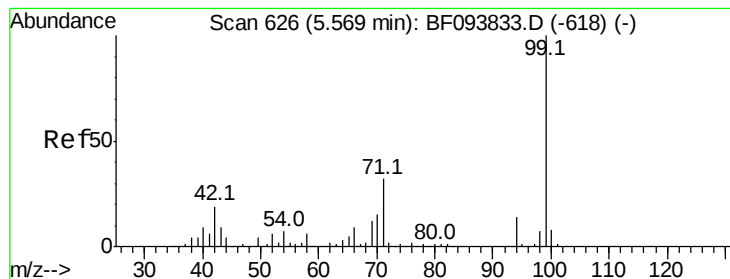


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.38 ng

RT: 5.47 min Scan# 609

Delta R.T. 0.01 min

Lab File: BF094383.D

Acq: 12 Apr 2017 8:52

Instrument :

BNA_F

ClientSampleId :

E2-BB-8-9-ESWRE

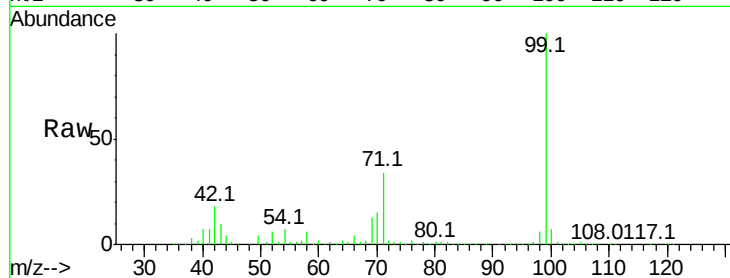
Tot Ion: 99 Resp: 1064176

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

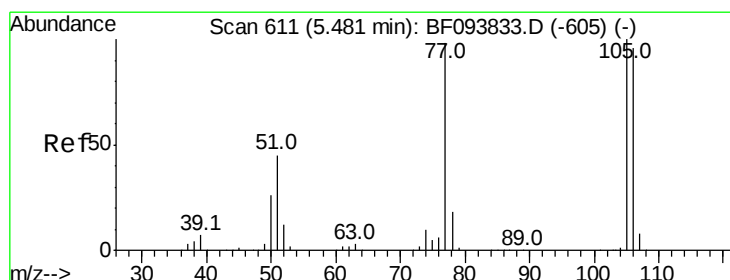
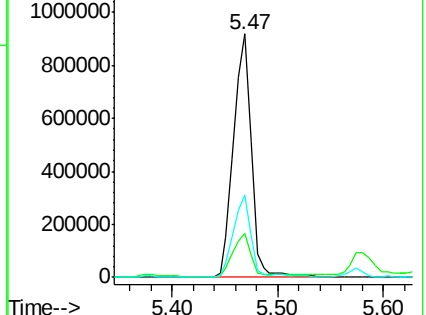
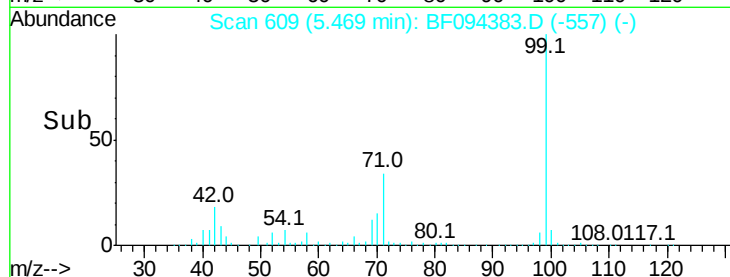
71 34.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.13 ng

RT: 5.32 min Scan# 584

Delta R.T. -0.03 min

Lab File: BF094383.D

Acq: 12 Apr 2017 8:52

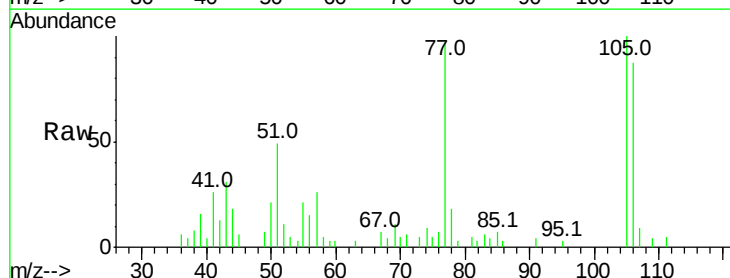
Tgt Ion: 77 Resp: 14277

Ion Ratio Lower Upper

77 100

105 102.6 83.8 123.8

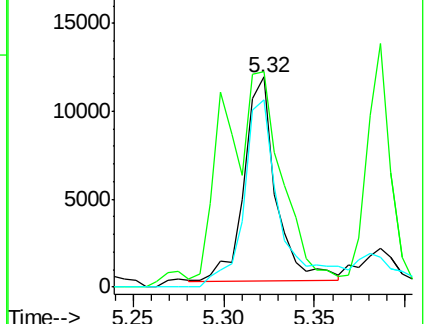
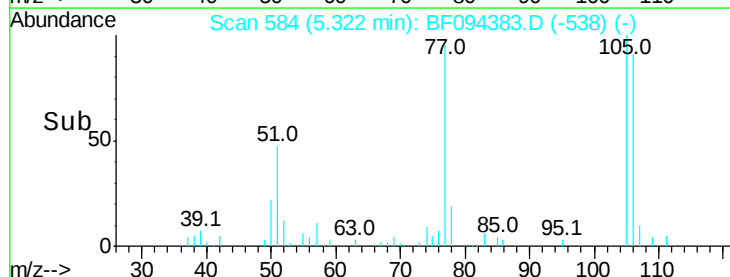
106 89.3 79.1 119.1

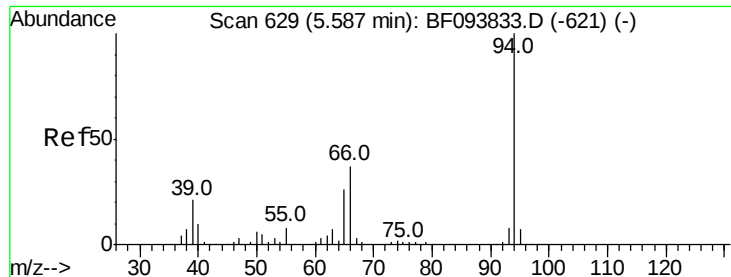


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.38 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.00 min

Lab File: BF094383.D

Acq: 12 Apr 2017 8:52

Instrument :

BNA_F

ClientSampleId :

E2-BB-8-9-ESWRE

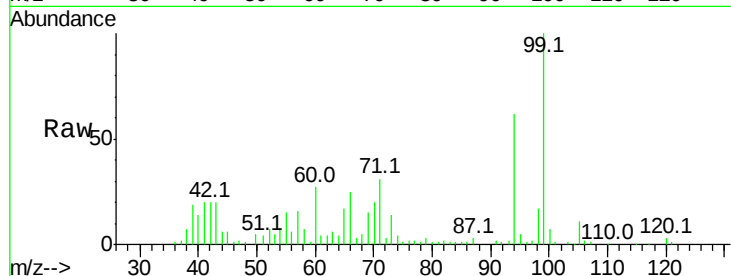
Tot Ion: 94 Resp: 49382

Ion Ratio Lower Upper

94 100

65 27.7 9.9 49.9

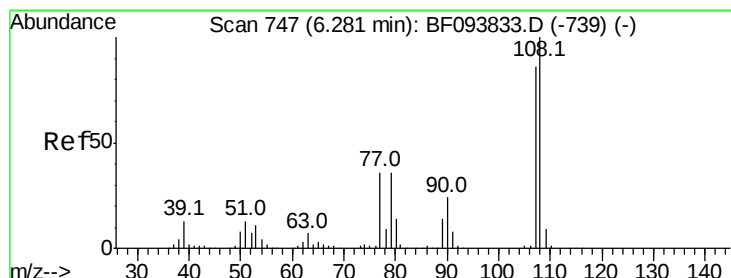
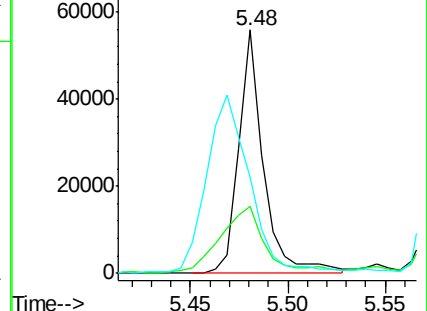
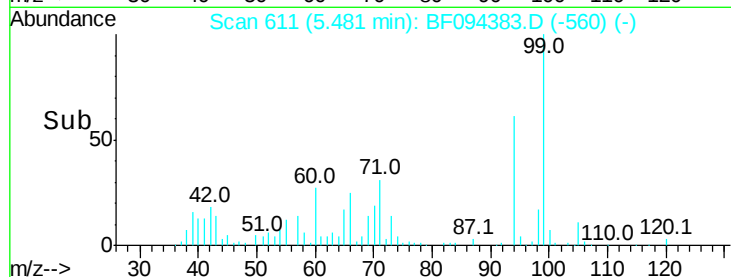
66 39.7 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#17

2-Methylphenol

Concen: 26.87 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF094383.D

Acq: 12 Apr 2017 8:52

Tgt Ion: 107 Resp: 202627

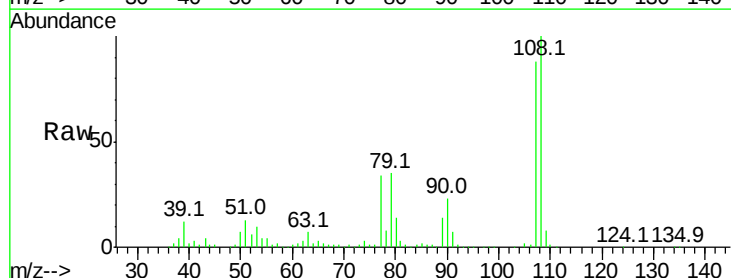
Ion Ratio Lower Upper

107 100

108 113.4 93.4 140.0

77 38.3 35.8 53.6

79 40.2 34.8 52.2

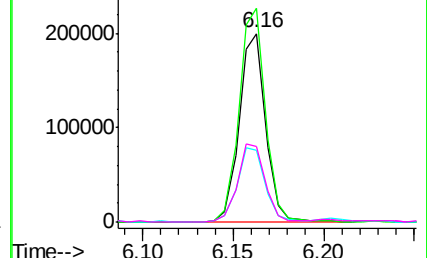
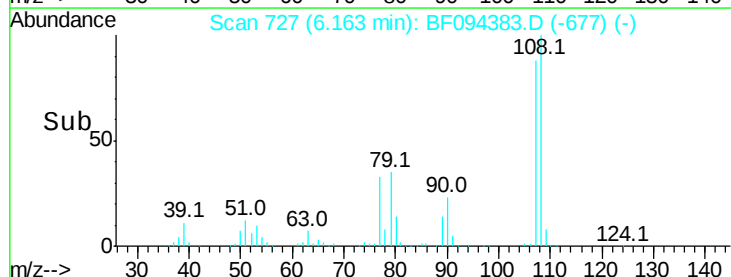


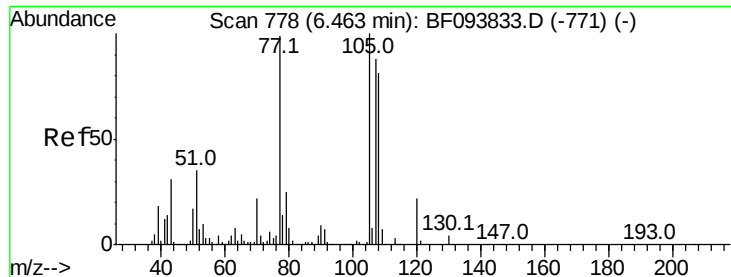
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#20

3+4-Methylphenols

Concen: 30.66 ng

RT: 6.35 min Scan# 759

Delta R.T. -0.00 min

Lab File: BF094383.D

Acq: 12 Apr 2017 8:52

Instrument :

BNA_F

ClientSampleId :

E2-BB-8-9-ESWRE

Tot Ion:107 Resp: 279987

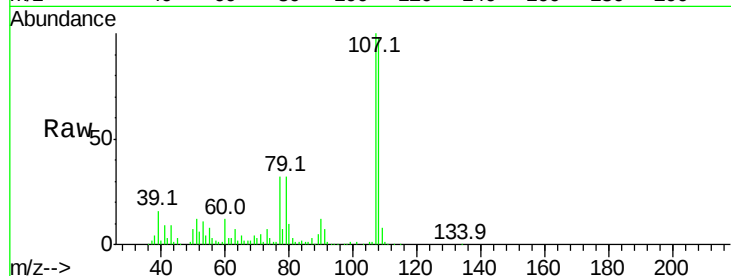
Ion Ratio Lower Upper

107 100

108 98.2 71.0 111.0

77 31.9 90.5 130.5#

79 32.3 8.4 48.4

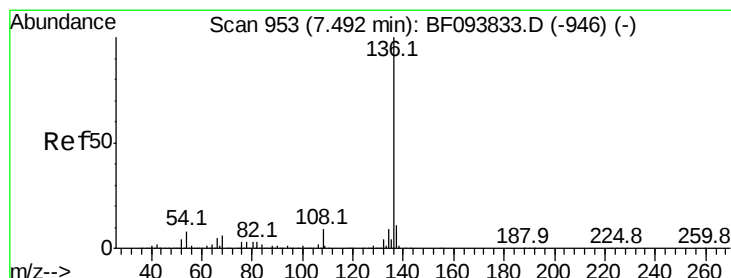
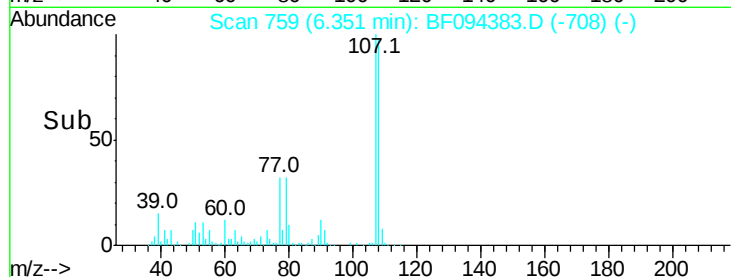
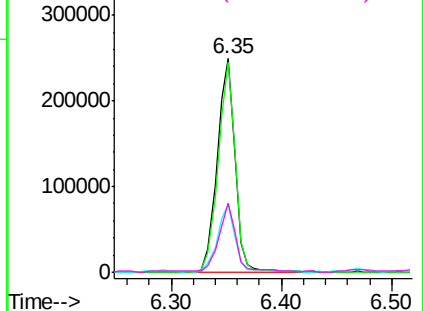


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.33 min Scan# 926

Delta R.T. -0.03 min

Lab File: BF094383.D

Acq: 12 Apr 2017 8:52

Tgt Ion:136 Resp: 488719

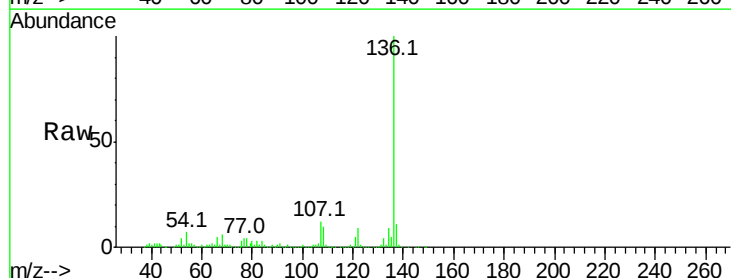
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.0 4.9 7.3

68 5.7 4.1 6.1

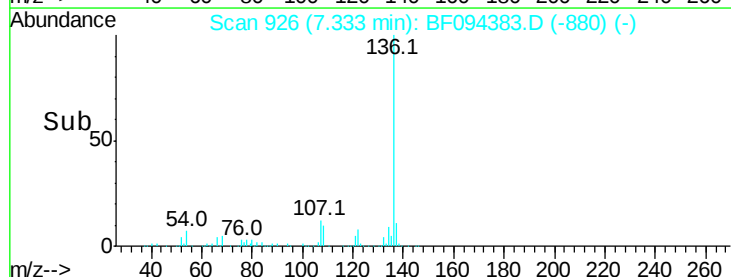
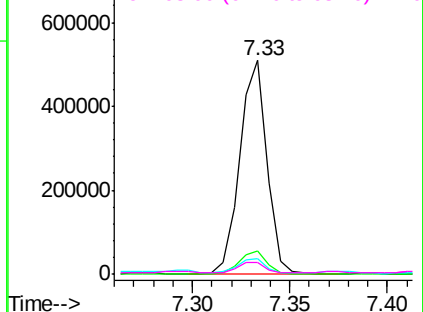


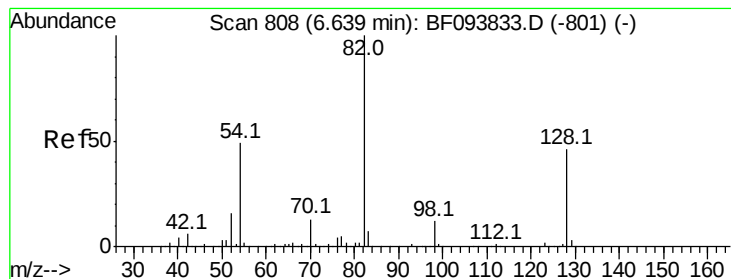
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 72.14 ng

RT: 6.48 min Scan# 781

Delta R.T. -0.03 min

Lab File: BF094383.D

Acq: 12 Apr 2017 8:52

Instrument :

BNA_F

ClientSampleId :

E2-BB-8-9-ESWRE

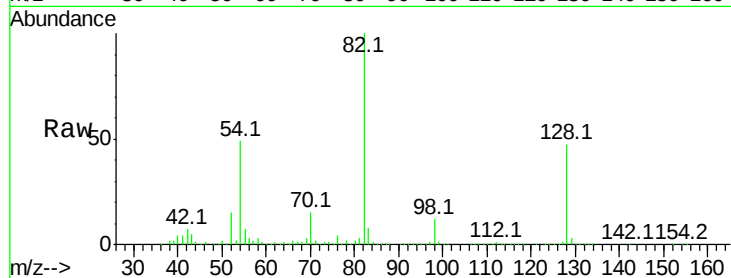
Tot Ion: 82 Resp: 617779

Ion Ratio Lower Upper

82 100

128 47.2 34.0 51.0

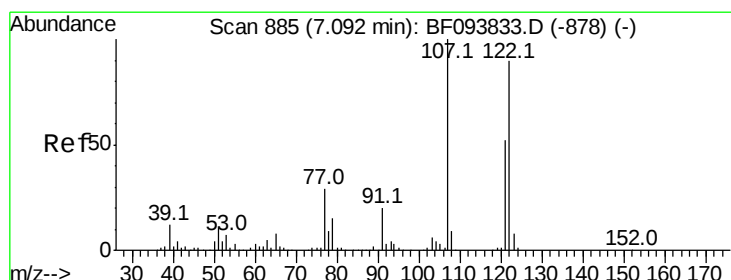
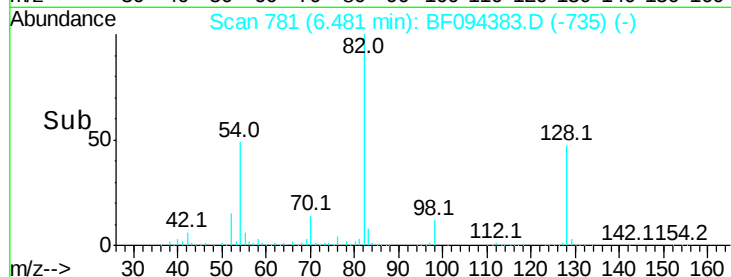
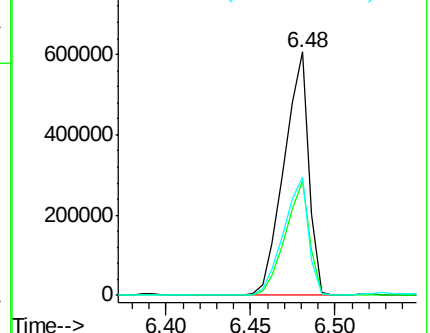
54 48.6 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#27

2,4-Dimethylphenol

Concen: 62.60 ng

RT: 6.98 min Scan# 866

Delta R.T. 0.01 min

Lab File: BF094383.D

Acq: 12 Apr 2017 8:52

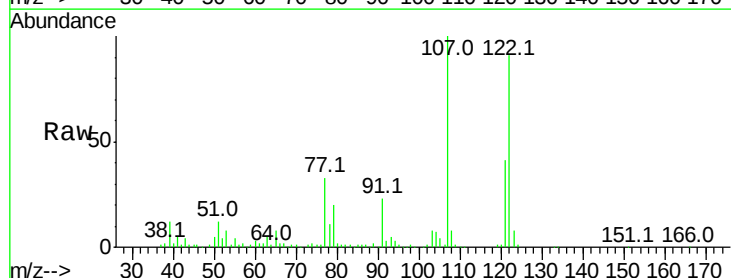
Tgt Ion:122 Resp: 434485

Ion Ratio Lower Upper

122 100

107 109.3 89.2 133.8

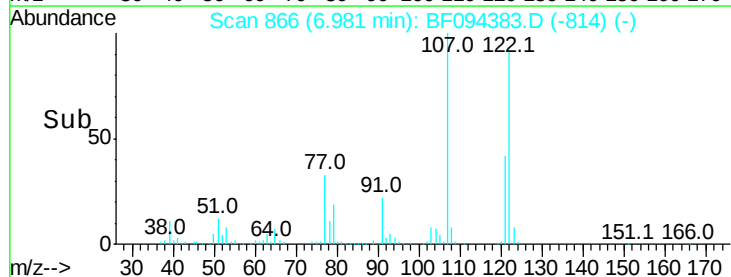
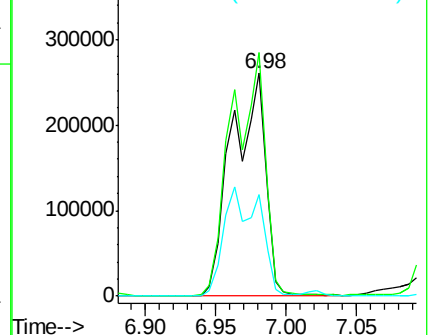
121 45.3 45.2 67.8

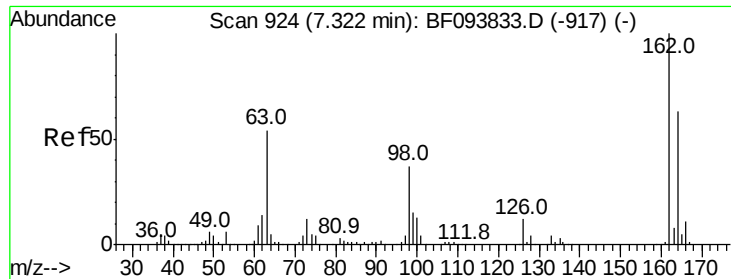


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

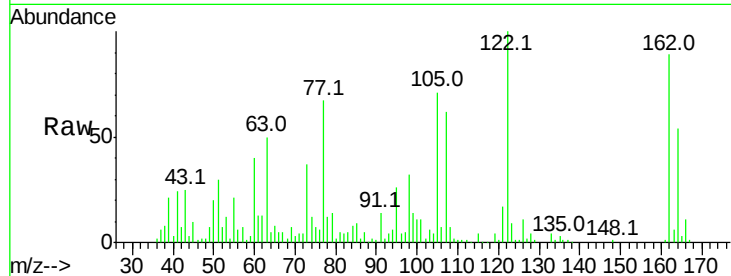




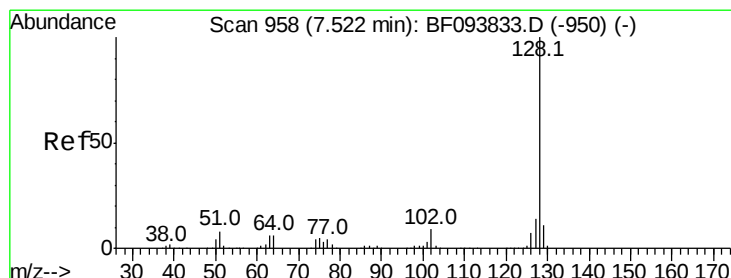
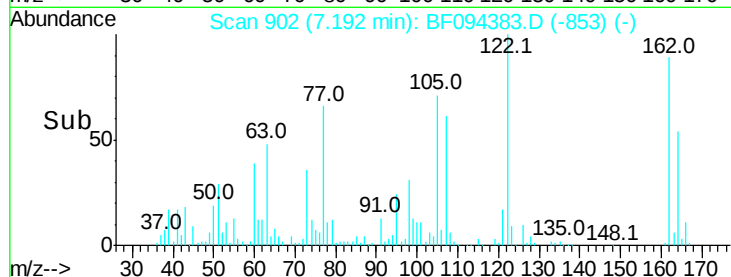
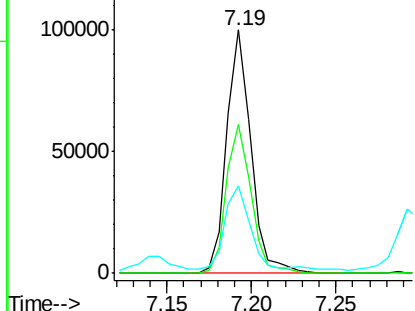
#29
 2,4-Dichlorophenol
 Concen: 15.40 ng
 RT: 7.19 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF094383.D
 Acq: 12 Apr 2017 8:52

Instrument :
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Tot Ion	Ratio	Lower	Upper
162	100		
164	61.0	44.6	84.6
98	35.7	14.8	54.8

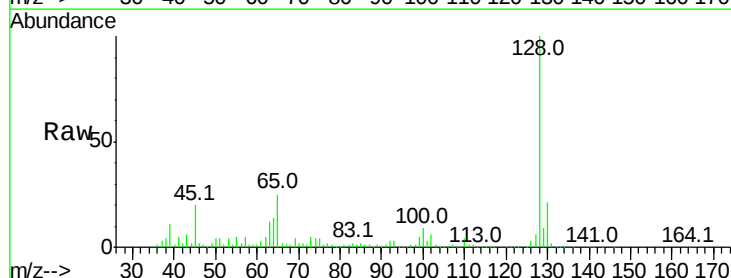


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BFO

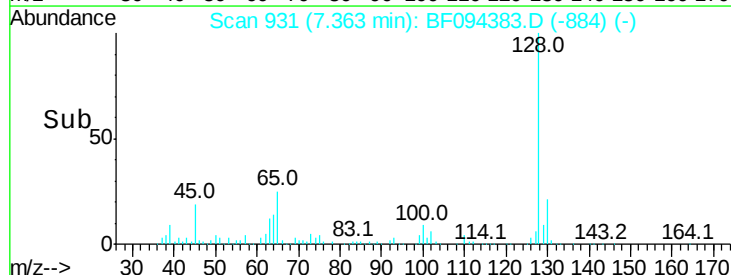
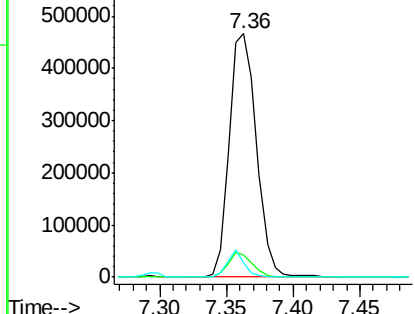


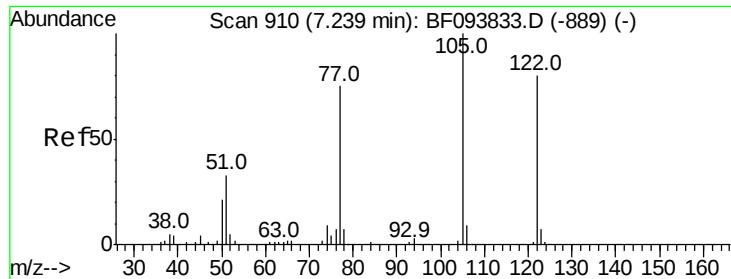
#31
 Naphthalene
 Concen: 28.37 ng
 RT: 7.36 min Scan# 931
 Delta R.T. -0.02 min
 Lab File: BF094383.D
 Acq: 12 Apr 2017 8:52

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.0	9.0	13.6#
127	5.9	10.8	16.2#



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

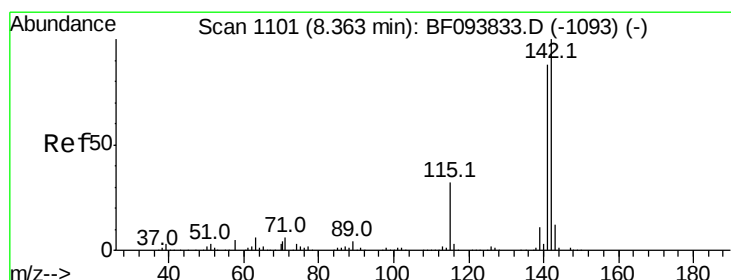
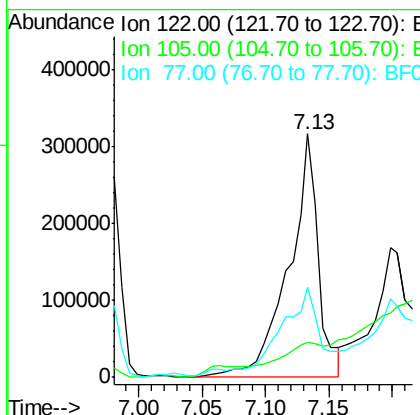
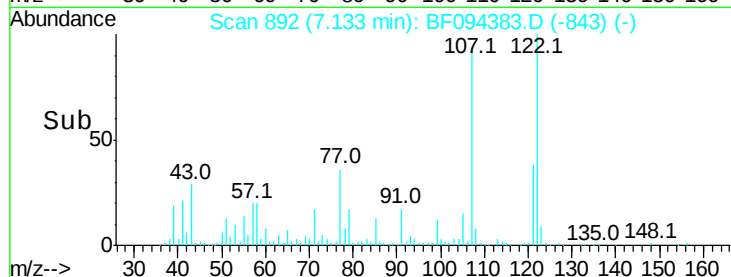
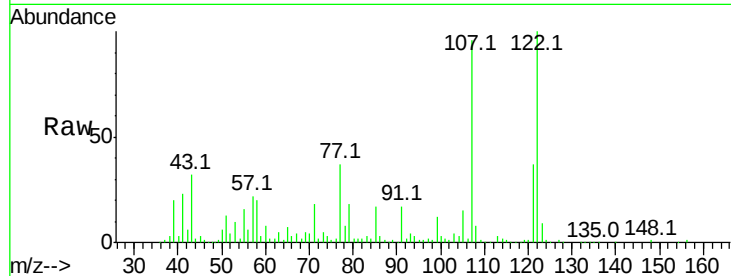




#32
Benzoic acid
Concen: 111.13 ng
RT: 7.13 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF094383.D
Acq: 12 Apr 2017 8:52

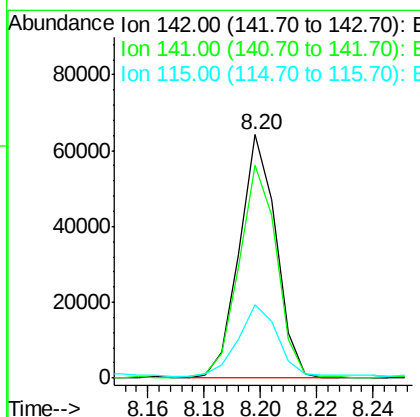
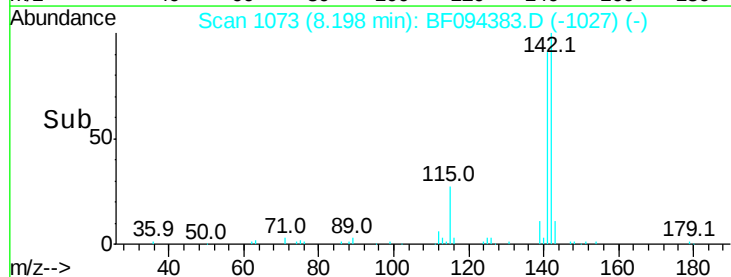
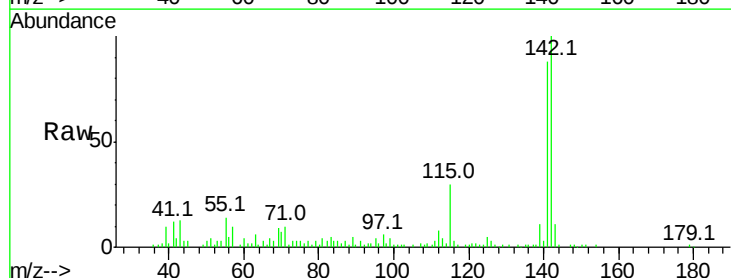
Instrument :
BNA_F
ClientSampleId :
E2-BB-8-9-ESWRE

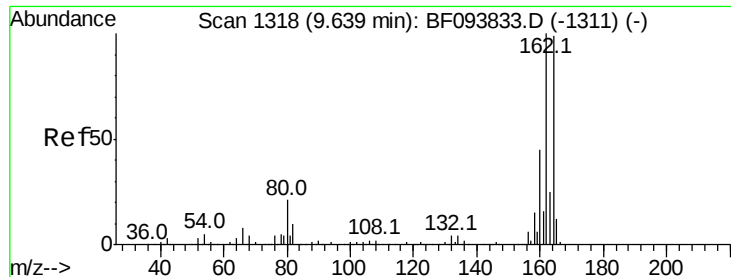
Tot Ion:122 Resp: 513442
Ion Ratio Lower Upper
122 100
105 14.6 103.3 143.3#
77 37.1 73.7 113.7#



#37
2-Methylnaphthalene
Concen: 3.70 ng
RT: 8.20 min Scan# 1073
Delta R.T. -0.03 min
Lab File: BF094383.D
Acq: 12 Apr 2017 8:52

Tgt Ion:142 Resp: 57951
Ion Ratio Lower Upper
142 100
141 87.6 71.3 106.9
115 30.1 27.1 40.7

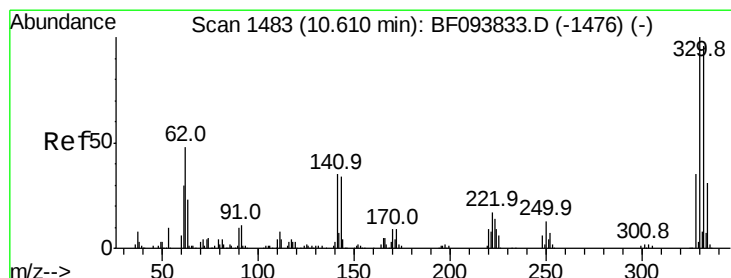
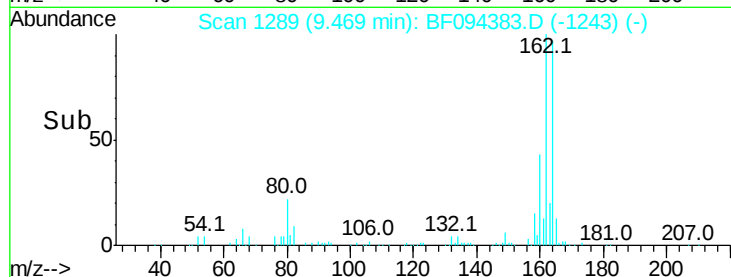
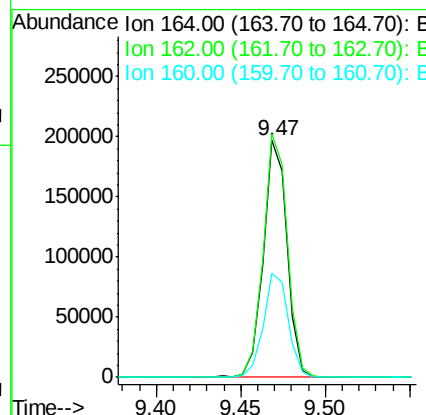
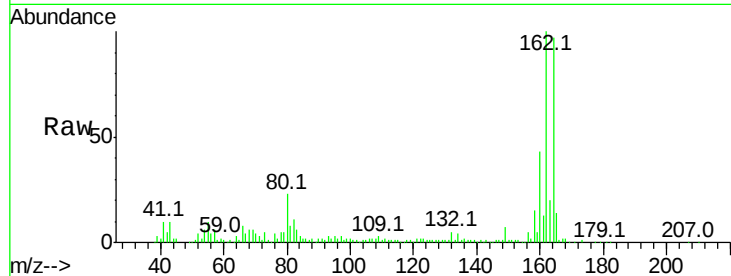




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.03 min
 Lab File: BF094383.D
 Acq: 12 Apr 2017 8:52

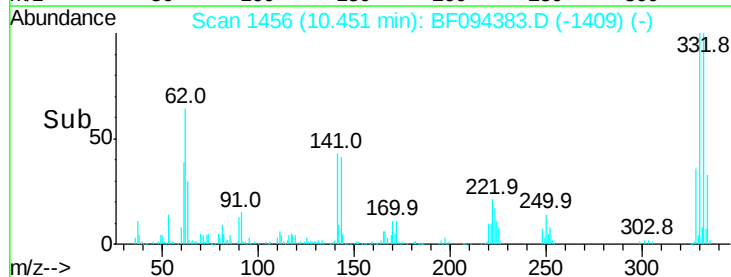
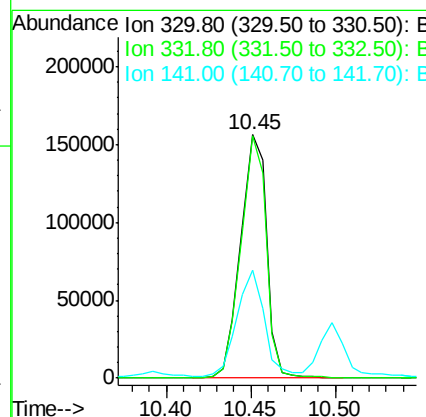
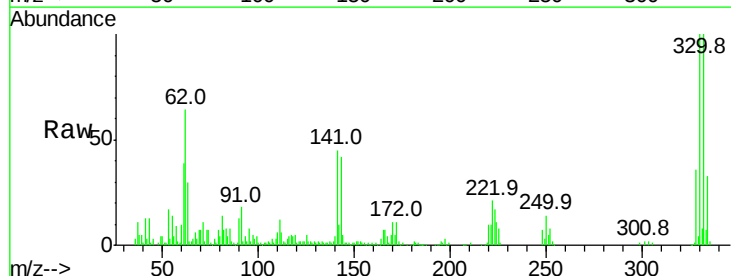
Instrument :
 BNA_F
 ClientSampleId :
 E2-BB-8-9-ESWRE

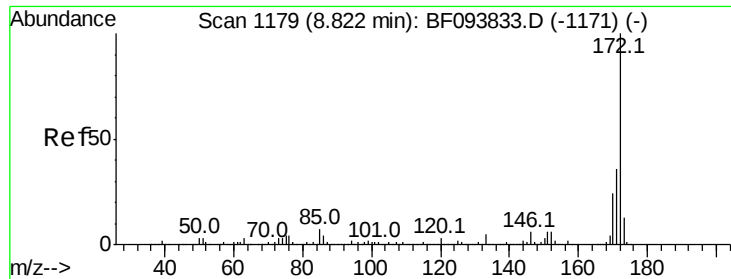
Tot Ion:164 Resp: 192338
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.6 123.8
 160 43.8 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 110.94 ng
 RT: 10.45 min Scan# 1456
 Delta R.T. -0.02 min
 Lab File: BF094383.D
 Acq: 12 Apr 2017 8:52

Tgt Ion:330 Resp: 168619
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 45.2 31.4 47.2



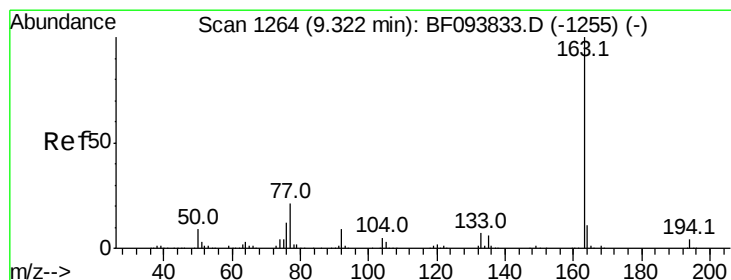
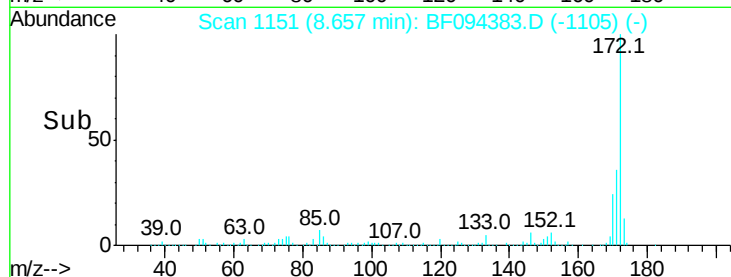
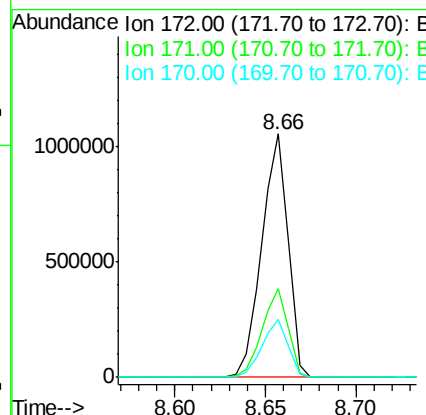
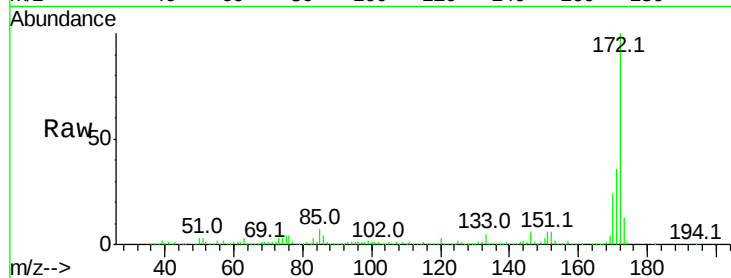


#44
 2-Fluorobiphenyl
 Concen: 84.28 ng
 RT: 8.66 min Scan# 1151
 Delta R.T. -0.03 min
 Lab File: BF094383.D
 Acq: 12 Apr 2017 8:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB-8-9-ESWRE

Tot Ion:172 Resp: 1062743

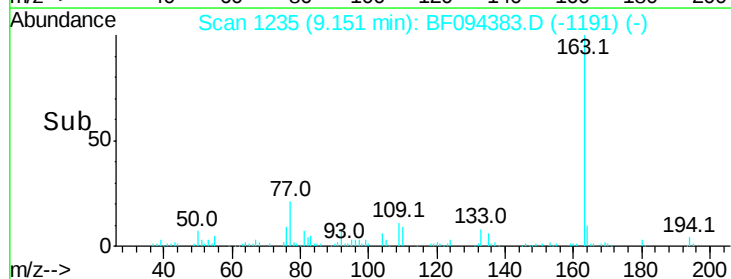
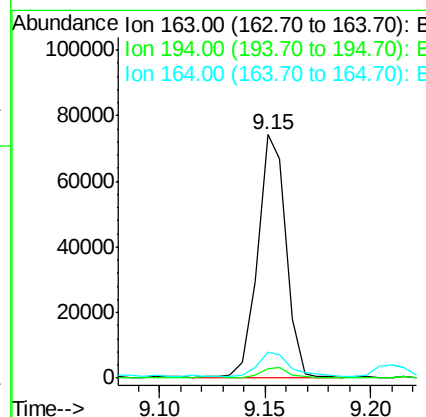
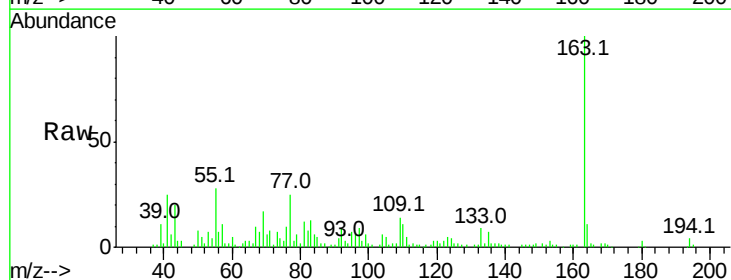
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.0	19.8	29.8

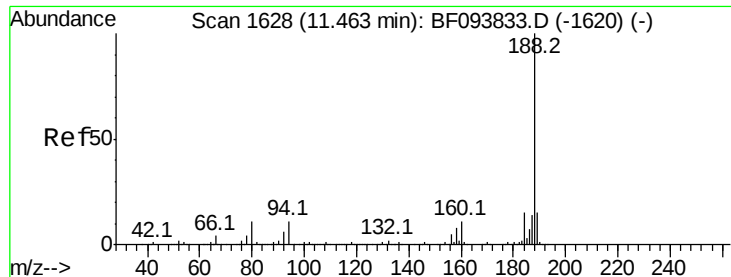


#49
 Dimethylphthalate
 Concen: 5.08 ng
 RT: 9.15 min Scan# 1235
 Delta R.T. -0.04 min
 Lab File: BF094383.D
 Acq: 12 Apr 2017 8:52

Tgt Ion:163 Resp: 69500

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.6	4.0
164	10.6	8.4	12.6

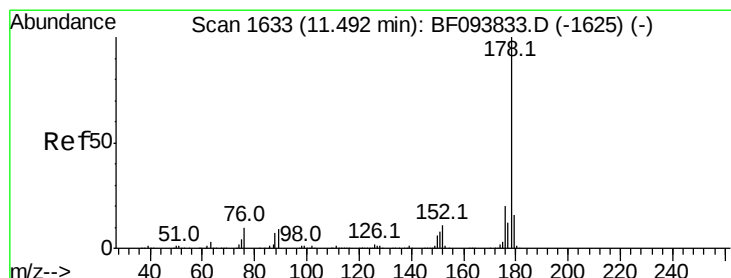
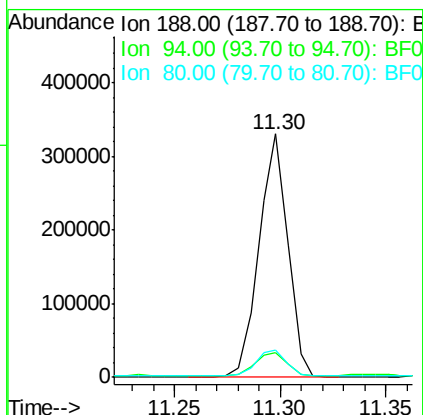
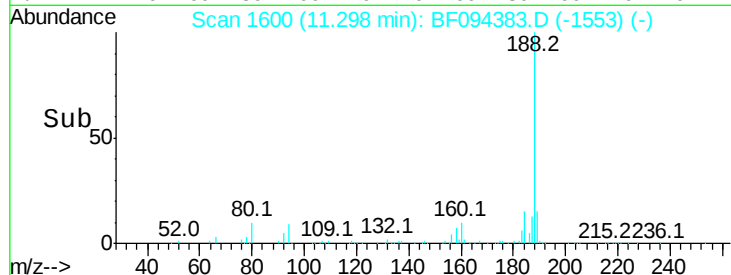
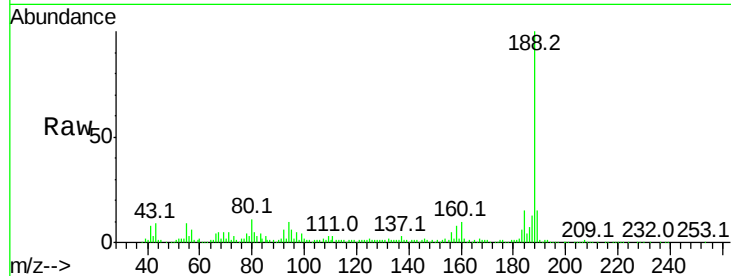




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF094383.D
Acq: 12 Apr 2017 8:52

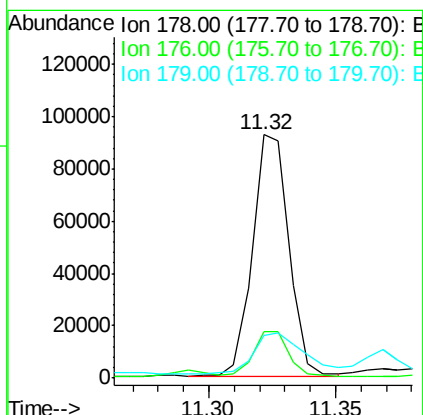
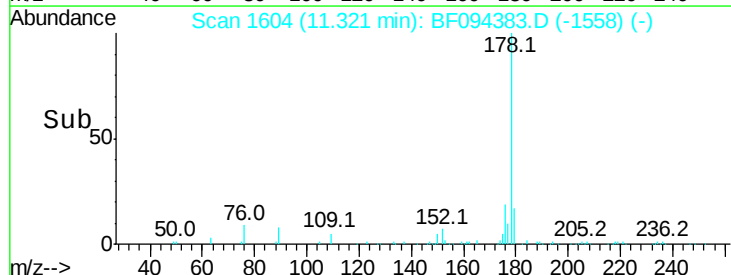
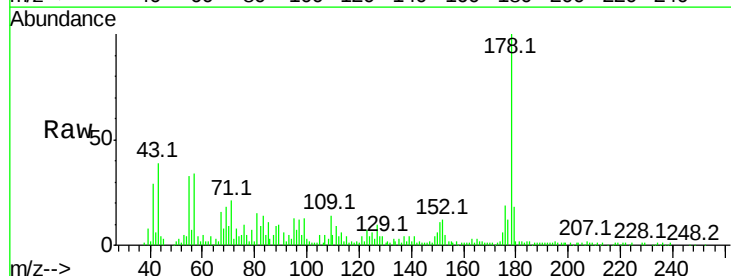
Instrument :
BNA_F
ClientSampleId :
E2-BB-8-9-ESWRE

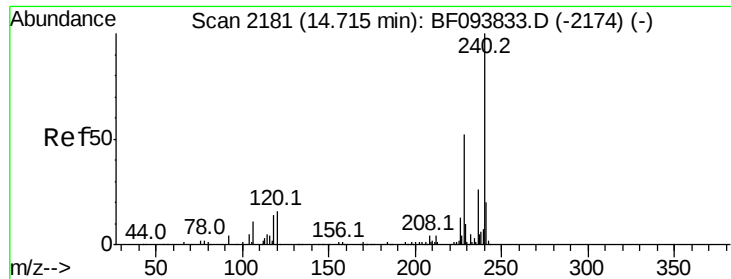
Tot Ion:188 Resp: 312289
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 11.4 10.2 15.2



#70
Phenanthrene
Concen: 5.32 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.03 min
Lab File: BF094383.D
Acq: 12 Apr 2017 8:52

Tgt Ion:178 Resp: 92387
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 17.7 12.6 19.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.60 min Scan# 2161

Delta R.T. 0.02 min

Lab File: BF094383.D

Acq: 12 Apr 2017 8:52

Instrument :

BNA_F

ClientSampleId :

E2-BB-8-9-ESWRE

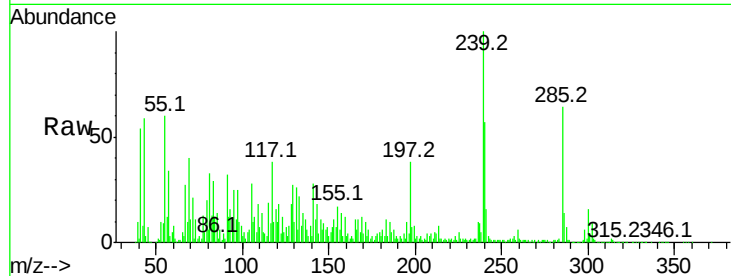
Tot Ion:240 Resp: 676713

Ion Ratio Lower Upper

240 100

120 16.8 5.8 8.8#

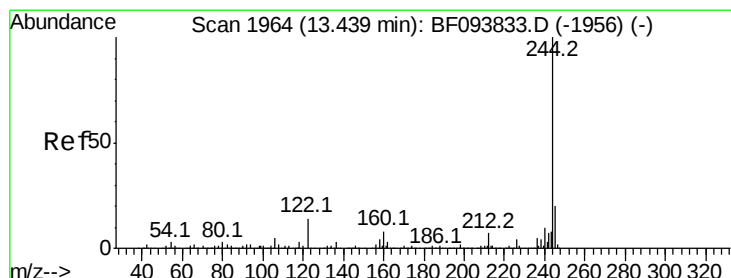
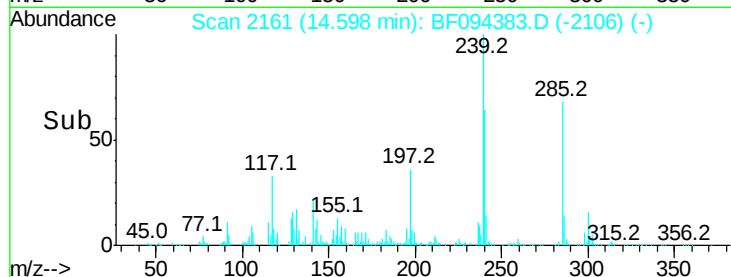
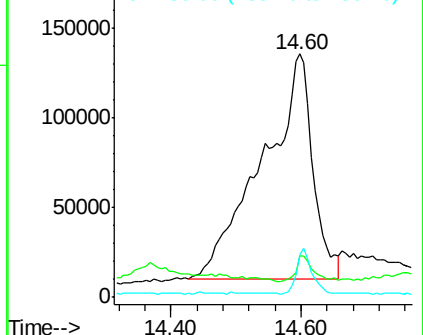
236 17.7 20.5 30.7#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 18.04 ng

RT: 13.31 min Scan# 1942

Delta R.T. 0.01 min

Lab File: BF094383.D

Acq: 12 Apr 2017 8:52

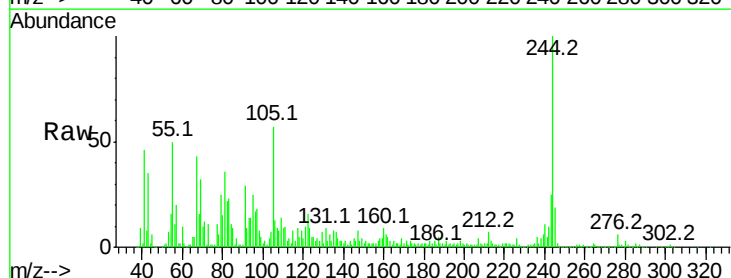
Tgt Ion:244 Resp: 544726

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

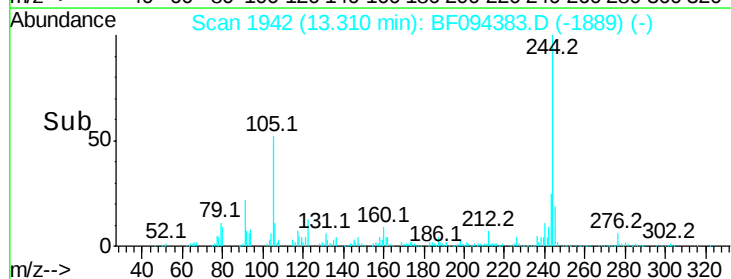
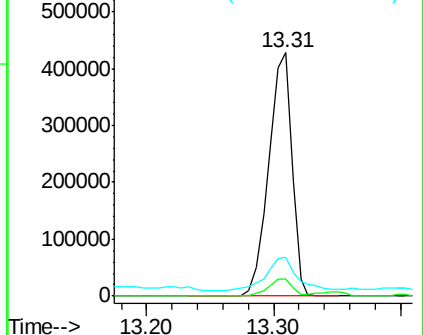
122 16.0 10.3 15.5#

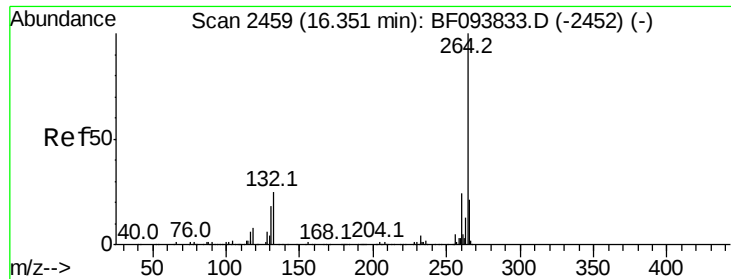


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

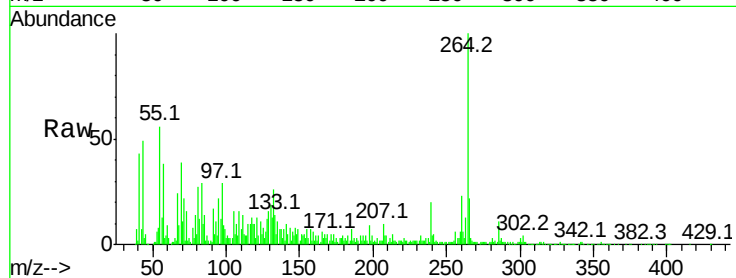




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.23 min Scan# 2438
Delta R.T. 0.04 min
Lab File: BF094383.D
Acq: 12 Apr 2017 8:52

Instrument :
BNA_F
ClientSampleId :
E2-BB-8-9-ESWRE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.9	17.2	25.8



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

